

Disclosed is ultrasonic medical probe (10) connectable to a Doppler signal generator and processor for detecting or measuring blood flow in a vessel. In one embodiment, the distal portion (52) of the probe comprises an outer sheath (17) that includes a malleable shapeable portion (16), such as an annealed stainless steel cannula, to which a transducer head (11) containing one or more ultrasonic transducers (12), is mounted distally. Two wires (14,15), comprising the electrical conductor (13), extend through the outer sheath from each ultrasonic transducer to a proximal connector (19). The shapeable portion can be contoured before or during a procedure, such as to access the natural spaces within brain to read flow in a cerebral artery. Other disclosed embodiments includes a shapeable portion that includes a malleable core wire (33) around which the wires are wrapped, an electrical conductor comprising malleable wires (36,37) that are shapeable, a transducer head that is extendable from inside the outer sheath, and a handle portion (18) that is axially moveable for adjusting the length of the shapeable portion.

[illegible]